



VIA Networking WLAN Solutions: WMP-G10 mPCI Solution for VT6655



802.11b/g WLAN module enables high-speed 54Mbps wireless connections to satisfy the bandwidth needs of the most demanding enterprise, public access and home WLAN user.

The VIA Networking WLAN Mini PCI solution is the innovate design of VNT's wireless chipset. The WLAN module based on VIA Networking VT6655 is fully compliant with IEEE's security and 802.11g standards. Enabling data rates between wireless devices of up to 54Mbps, it can deliver the bandwidth necessary for real-time streaming of high-definition digital multimedia content in home networks, and provide high-speed email, web and LAN access to multiple mobile users in corporate environments or public hotspots.

Specifications

Radio	
Frequency Band:	<ul style="list-style-type: none"> •2400-2483.5MHz(for US, Canada) •2400-2483.5MHz(for Europe) •2400-2497MHz(for Japan)
Operating Channel:	IEEE 802.1b, Direct Sequence Spread Spectrum, IEEE 802.11g, Orthogonal Frequency Division Multiplexing <ul style="list-style-type: none"> •11 Channels(US, Canada) •13 Channels(Europe) •14 Channels(Japan)
Modulation Type:	QPSK, BPSK, CCK, OFDM
Data Rate:	Up to 54Mbps
Antenna:	Internal with diversity function
Radiation Power:	13-17Bm at maximum radition direction
Power Consumption:	<ul style="list-style-type: none"> •802.11b: 250 mA@3.3V, 802.11g: 230mA@3.3V •Listening: 190mA@3.3V
Receiver Sensitivity:	<ul style="list-style-type: none"> •Min -71dBm@54Mbps, PER<8% •Min -84dBm@11Mbps, PER<8%
Compliant:	FCC Part 15 B, C
Media Access Controller/ Baseband Controller	
Chip:	VT6655
Media Access Protocol:	CSMA/ CA(Collision Avoidance) with ACK
Interface	
Host Interface:	Support Full 32Bit PCI Standard
Driver Supporting	
Operating System:	Windows: 98SE/ Me/ NT/ 2000/ XP/ 2003 Ser., Linux(2.4.x/2.6.x), CE(4.2/5.0b)
Mechanical	
Physical Dimension:	64.7x44.6x3.8mm
Weight:	20g
Environmental Requirement	
Operating Temperature:	<ul style="list-style-type: none"> •0°C to 50°C in Operating •-20°C to 70°C in Storage
Operating Humidity:	<ul style="list-style-type: none"> •0% to 70% in Operating •0% to 95% Non-condensing in Storage
Compliance Certifications:	Wi-Fi, FCC
Warranty	
Period:	1Year